

Kennecott Utah Copper

Take a closer look



Kennecott Utah Copper



Sustainable development commitment

Sustainable development
meets present needs **without**
compromising needs of
future generations

Kennecott Utah Copper



Environmental stewardship

CNG Project Vision

Develop a CNG program that reduces emissions and operating costs, while ensuring the program is sustainable

Change culture, behavior & procedures



Small changes can make a **big difference**

Program implementation – Conversion pilots

Conversion manufacturer	Vehicle Make & Model	Fuel Type
	Ford F-150/F-250	Bi-fuel
	Dodge Ram 1500	Bi-fuel
	Ford F-150/F-250	Bi-fuel
	Chevrolet 1500	Dedicated
	Honda Civic	Dedicated
	Chevrolet 1500/2500	Bi-fuel
	Ford F-150/F-250	Bi-fuel
	Ford F-150	Dedicated
	Ford F-250	Bi-fuel

What we learned:

- Communication between convertors, kit manufacturers, OEMs and customers is critical
- Need to develop an understanding of the technologies
 - Differences to regular gasoline
 - Allows workforce to be educated on new vehicles
- Patience is required...

Program implementation – Fueling station



What we learned:

- Fast fill fueling was required to ensure success of the program
 - Same filling time as gasoline
 - Fuel safety is the same as gasoline
 - Slow fill was trialed in the past but wasn't accepted by employees (too slow)
- Need to make fueling convenient to where the vehicles are located.

Program implementation – Outcomes

47 Vehicles in the program

2 Fast fill fueling stations (1 installed, 1 in construction)

\$70,000 Annual fuel cost saving for 47 vehicles

30% GHG emission reduction compared to gasoline

Currently being implemented...

12 CNG shuttle buses to new Mine car parking lot

RioTinto

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